

\$java PastryMain 1000 10000 1000 10 12931

Number of Nodes - Lower Bound: 1000
Number of Nodes - Upper Bound: 10000
Increment: 1000
Number of trials: 10

For b = 1

N	H									
1000	5.0	4.5	4.0	4.7	4.5	3.4	4.2	4.7	4.5	3.5
	Mean = 4.30, Expected = 9.97, Standard Deviation = 0.52									
2000	4.7	4.6	4.7	4.5	3.8	5.8	4.8	4.2	4.0	5.1
	Mean = 4.62, Expected = 10.97, Standard Deviation = 0.57									
3000	5.1	5.5	4.5	4.8	5.0	5.1	5.5	5.5	5.6	5.4
	Mean = 5.20, Expected = 11.55, Standard Deviation = 0.36									
4000	6.0	5.1	5.6	4.8	4.9	5.5	5.9	4.3	5.4	6.3
	Mean = 5.38, Expected = 11.97, Standard Deviation = 0.61									
5000	5.7	6.5	6.2	5.8	5.7	6.4	5.3	5.5	4.7	6.5
	Mean = 5.83, Expected = 12.29, Standard Deviation = 0.58									
6000	5.4	6.2	5.2	5.0	5.4	5.7	5.9	6.0	6.3	6.1
	Mean = 5.72, Expected = 12.55, Standard Deviation = 0.45									
7000	6.3	6.8	6.4	5.9	5.6	6.0	4.4	5.5	5.6	6.0
	Mean = 5.85, Expected = 12.77, Standard Deviation = 0.65									
8000	5.7	5.8	6.1	5.5	5.8	6.1	5.9	5.9	5.1	5.3
	Mean = 5.72, Expected = 12.97, Standard Deviation = 0.33									
9000	6.4	5.4	5.8	5.5	6.4	8.3	6.3	6.4	5.0	7.2
	Mean = 6.27, Expected = 13.14, Standard Deviation = 0.96									
10000	6.5	6.2	6.7	5.9	5.5	6.0	6.4	6.7	6.3	7.0
	Mean = 6.32, Expected = 13.29, Standard Deviation = 0.44									

chi^2 = 1915.81146
p-value = 1.00000

For b = 2

N	H									
1000	3.8	3.4	3.7	4.0	3.8	4.1	3.2	4.1	3.1	3.3
	Mean = 3.65, Expected = 4.98, Standard Deviation = 0.37									
2000	4.0	3.9	4.0	4.1	5.0	4.4	4.7	4.3	4.4	3.8
	Mean = 4.26, Expected = 5.48, Standard Deviation = 0.38									
3000	4.4	4.6	4.4	4.2	4.0	4.3	3.8	4.1	4.3	3.9
	Mean = 4.20, Expected = 5.78, Standard Deviation = 0.25									
4000	4.0	4.6	5.1	4.5	4.3	4.5	4.9	4.6	4.4	4.1
	Mean = 4.50, Expected = 5.98, Standard Deviation = 0.33									
5000	5.3	4.7	5.1	4.9	5.4	5.3	5.0	5.9	4.6	4.0
	Mean = 5.02, Expected = 6.14, Standard Deviation = 0.52									
6000	5.0	4.1	4.8	4.5	4.2	4.5	4.3	4.9	4.3	4.4
	Mean = 4.50, Expected = 6.28, Standard Deviation = 0.31									
7000	5.4	5.0	5.3	4.5	4.5	4.6	5.2	5.7	4.9	4.3
	Mean = 4.94, Expected = 6.39, Standard Deviation = 0.46									
8000	4.3	5.5	5.0	5.2	5.6	4.3	5.3	4.9	5.3	5.1
	Mean = 5.05, Expected = 6.48, Standard Deviation = 0.45									
9000	4.8	4.7	5.1	4.5	4.2	5.0	5.2	5.0	5.1	5.0
	Mean = 4.86, Expected = 6.57, Standard Deviation = 0.31									

10000 4.4 4.5 4.6 5.2 5.3 5.0 5.4 5.1 4.3 4.6
Mean = 4.84, Expected = 6.64, Standard Deviation = 0.40

chi^2 = 191.10272
p-value = 1.00000

For b = 3

N	H
1000	3.1 3.1 3.5 3.2 3.1 2.8 3.1 3.1 3.5 2.9 Mean = 3.14, Expected = 3.32, Standard Deviation = 0.22
2000	3.5 3.2 3.2 3.5 3.1 3.0 3.2 3.3 3.0 3.2 Mean = 3.22, Expected = 3.66, Standard Deviation = 0.18
3000	3.8 3.6 3.7 3.5 3.6 3.5 3.7 3.2 3.9 3.6 Mean = 3.61, Expected = 3.85, Standard Deviation = 0.19
4000	3.4 3.9 3.6 3.4 3.9 3.8 3.5 3.7 4.5 3.9 Mean = 3.76, Expected = 3.99, Standard Deviation = 0.33
5000	3.7 3.6 3.8 3.8 4.3 4.1 4.3 3.9 3.5 4.1 Mean = 3.91, Expected = 4.10, Standard Deviation = 0.28
6000	3.8 4.4 4.0 3.4 4.1 3.6 4.5 3.5 3.7 4.4 Mean = 3.94, Expected = 4.18, Standard Deviation = 0.40
7000	3.6 3.7 3.7 4.3 4.4 4.8 4.2 4.4 3.8 3.9 Mean = 4.08, Expected = 4.26, Standard Deviation = 0.40
8000	3.7 4.2 4.1 3.8 4.2 4.2 4.2 4.1 3.7 4.5 Mean = 4.07, Expected = 4.32, Standard Deviation = 0.26
9000	4.1 4.2 4.1 3.9 3.9 3.8 4.2 4.0 4.0 4.7 Mean = 4.09, Expected = 4.38, Standard Deviation = 0.25
10000	4.3 4.4 4.5 3.9 4.5 3.8 4.5 3.8 4.2 4.2 Mean = 4.21, Expected = 4.43, Standard Deviation = 0.28

chi^2 = 12.78573
p-value = 1.00000

For b = 4

N	H
1000	2.8 2.5 3.0 2.9 2.7 3.0 2.4 2.2 2.5 2.7 Mean = 2.67, Expected = 2.49, Standard Deviation = 0.27
2000	2.7 2.9 3.1 3.1 2.6 3.4 2.6 3.3 2.8 2.6 Mean = 2.91, Expected = 2.74, Standard Deviation = 0.30
3000	2.7 3.0 3.2 3.6 3.1 2.9 3.3 3.4 2.9 2.9 Mean = 3.10, Expected = 2.89, Standard Deviation = 0.27
4000	3.1 3.3 3.0 3.2 2.9 3.2 3.1 3.0 3.7 3.6 Mean = 3.21, Expected = 2.99, Standard Deviation = 0.26
5000	3.4 3.5 3.1 3.6 3.2 3.7 3.7 2.8 3.4 3.1 Mean = 3.35, Expected = 3.07, Standard Deviation = 0.30
6000	3.5 3.1 3.3 3.4 3.5 3.3 3.5 3.4 3.4 3.8 Mean = 3.42, Expected = 3.14, Standard Deviation = 0.18
7000	3.5 3.5 3.1 3.6 3.6 3.9 3.4 3.5 4.0 3.5 Mean = 3.56, Expected = 3.19, Standard Deviation = 0.25
8000	2.8 3.9 3.8 3.5 3.2 3.6 3.6 3.3 3.3 3.3 Mean = 3.43, Expected = 3.24, Standard Deviation = 0.32
9000	4.0 3.5 3.3 3.4 3.4 3.9 3.3 2.9 3.6 3.5 Mean = 3.48, Expected = 3.28, Standard Deviation = 0.31
10000	3.9 3.3 3.7 3.1 3.3 3.8 3.8 3.5 3.1 3.1

Mean = 3.46, Expected = 3.32, Standard Deviation = 0.32

χ^2 = 8.45010

p-value = 1.00000